



Analytical Resources, Incorporated
Analytical Chemists and Consultants

December 30, 2010

Tom Colligan
Floyd Snider
601 Union Street, Suite 600
Seattle, WA 98101-2341

RE: Project: Jorgensen Forge PLO
ARI Job No: SC18 (revised 1/21/11)

Dear Tom:

Please find enclosed analytical results and Chain of Custody documentation (COC) for the project referenced above. Analytical Resources, Incorporated (ARI) accepted six water samples on December 22, 2010. The samples were received in good condition.

The samples were analyzed for total metals and general chemistry parameters, as requested on the COC.

No analytical complications were noted for these analyses. Quality control results are included for your review.

A copy of the reports and all associated raw data will remain on file with ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.


Kelly Bottom
Client Services Manager
kellyb@arilabs.com
206-695-6211

Enclosures

cc: eFile SC18

KB/kb

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: SC18	Turn-around Requested: STAT	Page: 1 of 1
ARI Client Company: Floyd Snider	Phone: (206) 292-2078	Date: 12/22/10
Client Contact: Tom Colligan		Ice Present? ✓
		No. of Coolers: 1 Cooler Temps: 5.3



Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Client Project Name: Torgusm Forge PLO Cleanout					Analysis Requested					Notes/Comments	
Client Project #: P2 JO		Samplers: Lisa Meoli / Dean Parame			Alkalinity	Anions	Cations	pH	Salinity		
Sample ID	Date	Time	Matrix	No. Containers							
JF-PLSD-SW-24A	12/22/10	8:05	SW	3							
JF-PLSD-SW-24B		8:30	SW	3							
JF-PLSD-SW-377		8:50	SW	3							
JF-PLSD-SW-372		9:15	SW	3							
JF-PLSD-SW-Public		9:45	SW	3							
JF-PLSD-SW-Public-D		9:45	SW	3	↓	↓	↓	↓	↓		

Comments/Special Instructions	Relinquished by: Lisa Meoli	Received by: Jenni Fer Millsap	Relinquished by:	Received by:
	(Signature)	(Signature)	(Signature)	(Signature)
	Printed Name: Lisa Meoli	Printed Name: Jenni Fer Millsap	Printed Name:	Printed Name:
	Company: Floyd Snider	Company: ART	Company:	Company:
	Date & Time: 12/22/10 11:00	Date & Time: 12/22/10 1100	Date & Time:	Date & Time:

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

SC18:000002



Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Floyd Snider

COC No(s): _____ (NA)

Assigned ARI Job No: SC18

Project Name: Jorgenson Forge PLO Cleanout

Delivered by: Fed-Ex UPS Courier Hand Delivered Other: _____

Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler? _____

YES (NO)

Were custody papers included with the cooler? _____

(YES) NO

Were custody papers properly filled out (ink, signed, etc.) _____

(YES) NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry)..... 5.3

If cooler temperature is out of compliance fill out form 00070F

Temp Gun ID#: 90941619

Cooler Accepted by: JM Date: 12/22/10 Time: 1100

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler? _____

YES (NO)

What kind of packing material was used? ... Bubble Wrap (Wet Ice) Gel Packs Baggies Foam Block Paper Other: _____

Was sufficient ice used (if appropriate)? _____

NA (YES) NO

Were all bottles sealed in individual plastic bags? _____

YES (NO)

Did all bottles arrive in good condition (unbroken)? _____

(YES) NO

Were all bottle labels complete and legible? _____

(YES) NO

Did the number of containers listed on COC match with the number of containers received? _____

(YES) NO

Did all bottle labels and tags agree with custody papers? _____

(YES) NO

Were all bottles used correct for the requested analyses? _____

(YES) NO

Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)...

NA (YES) NO

Were all VOC vials free of air bubbles? _____

(NA) YES NO

Was sufficient amount of sample sent in each bottle? _____

(YES) NO

Date VOC Trip Blank was made at ARI: _____

(NA)

Was Sample Split by ARI: (NA) YES Date/Time: _____ Equipment: _____ Split by: _____

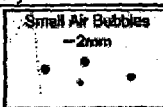


Samples Logged by: JM Date: 12/22/10 Time: 1115

**** Notify Project Manager of discrepancies or concerns ****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

By: _____ Date: _____

			Small → "sm"
			Peabubbles → "pb"
			Large → "lg"
			Headspace → "hs"

0016F
3/2/10

Cooler Receipt Form

Revision 014

SC18: 00003

PRESERVATION VERIFICATION 12/22/10
Page 1 of 1



ARI Job No: SC18

PC: Sue D.
VTSR: 12/22/10

Inquiry Number: NONE
Analysis Requested: 12/22/10
Contact: Colligan, Tom
Client: Floyd/Snider
Logged by: JM
Sample Set Used: Yes-440
Validatable Package: No
Deliverables:

Project #: P2JO
Project: Jorgenson Forge PLO Cleanout
Sample Site:
SDG No:
Analytical Protocol: In-house

LOGNUM ARI ID	CLIENT ID	CN >12	WAD >12	NH3 <2	COD <2	FOG <2	MET <2	PHEN <2	PHOS <2	TKN <2	NO23 <2	TOC <2	S2 >9	AK102 <2	Fe2+ <2	DMET FLT	DOC FLT	PARAMETER	ADJUSTED TO	LOT NUMBER	AMOUNT ADDED	DATE/BY
10-31771 SC18A	JF-PLSD-SW-24A						TOT															
10-31772 SC18B	JF-PLSD-SW-24B						TOT															
10-31773 SC18C	JF-PLSD-SW-37-7						TOT															
10-31774 SC18D	JF-PLSD-SW-37-2						TOT															
10-31775 SC18E	JF-PLSD-SW-Public						TOT															
10-31776 SC18F	JF-PLSD-SW-Public-D						TOT															

SC18:00004

Checked By JM Date 12/22/10

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: METHOD BLANK

Lab Sample ID: SC18MB

LIMS ID: 10-31771

Matrix: Stormwater

Data Release Authorized: *[Signature]*

Reported: 12/27/10

QC Report No: SC18-Floyd/Snider

Project: Jorgenson Forge PLO Cleanout
P2JO

Date Sampled: NA

Date Received: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
3010A	12/22/10	6010B	12/23/10	7440-70-2	Calcium	0.05	0.05	U
3010A	12/22/10	6010B	12/23/10	7439-95-4	Magnesium	0.05	0.05	U
3010A	12/22/10	6010B	12/23/10	7440-09-7	Potassium	0.5	0.5	U
3010A	12/22/10	6010B	12/23/10	7440-23-5	Sodium	0.5	0.5	U

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1


Sample ID: JF-PLSD-SW-24A

SAMPLE

Lab Sample ID: SC18A

LIMS ID: 10-31771

Matrix: Stormwater

Data Release Authorized: 

Reported: 12/27/10

QC Report No: SC18-Floyd/Snider

Project: Jorgenson Forge PLO Cleanout

P2JO

Date Sampled: 12/22/10

Date Received: 12/22/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
3010A	12/22/10	6010B	12/23/10	7440-70-2	Calcium	0.05	15.4	
3010A	12/22/10	6010B	12/23/10	7439-95-4	Magnesium	0.05	21.8	
3010A	12/22/10	6010B	12/23/10	7440-09-7	Potassium	0.5	7.5	
3010A	12/22/10	6010B	12/23/10	7440-23-5	Sodium	0.5	176	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET


TOTAL METALS
Page 1 of 1

Sample ID: JF-PLSD-SW-24B
SAMPLE

Lab Sample ID: SC18B

LIMS ID: 10-31772

Matrix: Stormwater

Data Release Authorized: 

Reported: 12/27/10

QC Report No: SC18-Floyd/Snider

Project: Jorgenson Forge PLO Cleanout
P2JO

Date Sampled: 12/22/10

Date Received: 12/22/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
3010A	12/22/10	6010B	12/23/10	7440-70-2	Calcium	0.05	18.2	
3010A	12/22/10	6010B	12/23/10	7439-95-4	Magnesium	0.05	31.1	
3010A	12/22/10	6010B	12/23/10	7440-09-7	Potassium	0.5	10.4	
3010A	12/22/10	6010B	12/23/10	7440-23-5	Sodium	0.5	256	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET


TOTAL METALS
Page 1 of 1

Sample ID: JF-PLSD-SW-37-7
SAMPLE

Lab Sample ID: SC18C

LIMS ID: 10-31773

Matrix: Stormwater

Data Release Authorized: 

Reported: 12/27/10

QC Report No: SC18-Floyd/Snider

Project: Jorgenson Forge PLO Cleanout
P2JO

Date Sampled: 12/22/10

Date Received: 12/22/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
3010A	12/22/10	6010B	12/23/10	7440-70-2	Calcium	0.05	18.1	
3010A	12/22/10	6010B	12/23/10	7439-95-4	Magnesium	0.05	31.1	
3010A	12/22/10	6010B	12/23/10	7440-09-7	Potassium	0.5	10.6	
3010A	12/22/10	6010B	12/23/10	7440-23-5	Sodium	0.5	259	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS
Page 1 of 1

Sample ID: JF-PLSD-SW-37-2
SAMPLE

Lab Sample ID: SC18D

LIMS ID: 10-31774

Matrix: Stormwater

Data Release Authorized

Reported: 12/27/10

QC Report No: SC18-Floyd/Snider

Project: Jorgenson Forge PLO Cleanout
P2JO

Date Sampled: 12/22/10

Date Received: 12/22/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
3010A	12/22/10	6010B	12/23/10	7440-70-2	Calcium	0.05	17.2	
3010A	12/22/10	6010B	12/23/10	7439-95-4	Magnesium	0.05	28.4	
3010A	12/22/10	6010B	12/23/10	7440-09-7	Potassium	0.5	9.6	
3010A	12/22/10	6010B	12/23/10	7440-23-5	Sodium	0.5	233	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

Sample ID: JF-PLSD-SW-Public
SAMPLE

Lab Sample ID: SC18E

LIMS ID: 10-31775

Matrix: Stormwater

Data Release Authorized: 

Reported: 12/27/10

QC Report No: SC18-Floyd/Snider

Project: Jorgenson Forge PLO Cleanout
P2JO

Date Sampled: 12/22/10

Date Received: 12/22/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
3010A	12/22/10	6010B	12/23/10	7440-70-2	Calcium	0.05	19.6	
3010A	12/22/10	6010B	12/23/10	7439-95-4	Magnesium	0.05	32.3	
3010A	12/22/10	6010B	12/23/10	7440-09-7	Potassium	0.5	11.0	
3010A	12/22/10	6010B	12/23/10	7440-23-5	Sodium	0.5	272	

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS


Page 1 of 1

Sample ID: JF-PLSD-SW-Public-D
SAMPLE

Lab Sample ID: SC18F

LIMS ID: 10-31776

Matrix: Stormwater

Data Release Authorized: 

Reported: 12/27/10

QC Report No: SC18-Floyd/Snider

Project: Jorgenson Forge PLO Cleanout
P2JO

Date Sampled: 12/22/10

Date Received: 12/22/10

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
3010A	12/22/10	6010B	12/23/10	7440-70-2	Calcium	0.05	20.9	
3010A	12/22/10	6010B	12/23/10	7439-95-4	Magnesium	0.05	34.2	
3010A	12/22/10	6010B	12/23/10	7440-09-7	Potassium	0.5	11.7	
3010A	12/22/10	6010B	12/23/10	7440-23-5	Sodium	0.5	291	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET


TOTAL METALS
Page 1 of 1

Sample ID: LAB CONTROL

Lab Sample ID: SC18LCS

LIMS ID: 10-31771

Matrix: Stormwater

Data Release Authorized: 

Reported: 12/27/10

QC Report No: SC18-Floyd/Snider

Project: Jorgenson Forge PLO Cleanout

P2JO

Date Sampled: NA

Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Calcium	6010B	9.72	10.0	97.2%	
Magnesium	6010B	9.87	10.0	98.7%	
Potassium	6010B	10.1	10.0	101%	
Sodium	6010B	9.9	10.0	99.0%	


Reported in mg/L

N-Control limit not met

Control Limits: 80-120%

METHOD BLANK RESULTS-CONVENTIONALS
SC18-Floyd/Snider



Matrix: Stormwater
Data Release Authorized: 
Reported: 03/02/11

Project: Jorgenson Forge PLO Cleanout
Event: P2JO
Date Sampled: NA
Date Received: NA

Analyte	Method	Date	Units	Blank	ID
Conductivity	EPA 120.1	12/23/10	umhos/cm	< 1.00 U	
Salinity	SM 2520.B	12/23/10	ppt	< 0.10 U	
Chloride	EPA 300.0	12/23/10	mg/L	< 0.1 U	
Sulfate	EPA 300.0	12/23/10	mg/L	< 0.1 U	

SAMPLE RESULTS-CONVENTIONALS
SC18-Floyd/Snider



Matrix: Stormwater
Data Release Authorized:
Reported: 03/02/11

A handwritten signature in black ink, appearing to be 'M. J.', is written over the 'Data Release Authorized' line.

Project: Jorgenson Forge PLO Cleanout
Event: P2JO
Date Sampled: 12/22/10
Date Received: 12/22/10


Client ID: JF-PLSD-SW-24A
ARI ID: 10-31771 SC18A

Analyte	Date Batch	Method	Units	RL	Sample
pH	12/22/10 122210#1	EPA 150.1	std units	0.01	6.81
Alkalinity	12/22/10 122210#1	SM 2320	mg/L CaCO3	1.0	37.8
Carbonate	12/22/10	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	12/22/10	SM 2320	mg/L CaCO3	1.0	37.8
Hydroxide	12/22/10	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Conductivity	12/23/10 122310#1	EPA 120.1	umhos/cm	1.00	1,130
Salinity	12/23/10 122310#1	SM 2520.B	ppt	0.10	0.60
Chloride	12/23/10 122310#1	EPA 300.0	mg/L	10.0	311
Sulfate	12/23/10 122310#1	EPA 300.0	mg/L	10.0	40.4

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SC18-Floyd/Snider



Matrix: Stormwater
Data Release Authorized: 
Reported: 03/02/11

Project: Jorgenson Forge PLO Cleanout
Event: P2JO
Date Sampled: 12/22/10
Date Received: 12/22/10

Client ID: JF-PLSD-SW-24B
ARI ID: 10-31772 SC18B

Analyte	Date Batch	Method	Units	RL	Sample
pH	12/22/10 122210#1	EPA 150.1	std units	0.01	6.78
Alkalinity	12/22/10 122210#1	SM 2320	mg/L CaCO3	1.0	38.2
Carbonate	12/22/10	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	12/22/10	SM 2320	mg/L CaCO3	1.0	38.2
Hydroxide	12/22/10	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Conductivity	12/23/10 122310#1	EPA 120.1	umhos/cm	1.00	1,590
Salinity	12/23/10 122310#1	SM 2520.B	ppt	0.10	0.80
Chloride	12/23/10 122310#1	EPA 300.0	mg/L	10.0	477
Sulfate	12/23/10 122310#1	EPA 300.0	mg/L	10.0	60.0

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SC18-Floyd/Snider



Matrix: Stormwater
Data Release Authorized: *[Signature]*
Reported: 03/02/11

Project: Jorgenson Forge PLO Cleanout
Event: P2JO
Date Sampled: 12/22/10
Date Received: 12/22/10


Client ID: JF-PLSD-SW-37-7
ARI ID: 10-31773 SC18C

Analyte	Date Batch	Method	Units	RL	Sample
pH	12/22/10 122210#1	EPA 150.1	std units	0.01	6.88
Alkalinity	12/22/10 122210#1	SM 2320	mg/L CaCO3	1.0	38.9
Carbonate	12/22/10	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	12/22/10	SM 2320	mg/L CaCO3	1.0	38.9
Hydroxide	12/22/10	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Conductivity	12/23/10 122310#1	EPA 120.1	umhos/cm	1.00	1,630
Salinity	12/23/10 122310#1	SM 2520.B	ppt	0.10	0.80
Chloride	12/23/10 122310#1	EPA 300.0	mg/L	10.0	490
Sulfate	12/23/10 122310#1	EPA 300.0	mg/L	10.0	62.5

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SC18-Floyd/Snider



Matrix: Stormwater
Data Release Authorized: 
Reported: 03/02/11

Project: Jorgenson Forge PLO Cleanout
Event: P2JO
Date Sampled: 12/22/10
Date Received: 12/22/10


Client ID: JF-PLSD-SW-37-2
ARI ID: 10-31774 SC18D

Analyte	Date Batch	Method	Units	RL	Sample
pH	12/22/10 122210#1	EPA 150.1	std units	0.01	6.96
Alkalinity	12/22/10 122210#1	SM 2320	mg/L CaCO3	1.0	32.4
Carbonate	12/22/10	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	12/22/10	SM 2320	mg/L CaCO3	1.0	32.4
Hydroxide	12/22/10	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Conductivity	12/23/10 122310#1	EPA 120.1	umhos/cm	1.00	1,490
Salinity	12/23/10 122310#1	SM 2520.B	ppt	0.10	0.70
Chloride	12/23/10 122310#1	EPA 300.0	mg/L	10.0	441
Sulfate	12/23/10 122310#1	EPA 300.0	mg/L	10.0	54.5

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SC18-Floyd/Snider



Matrix: Stormwater
Data Release Authorized: 
Reported: 03/02/11

Project: Jorgenson Forge PLO Cleanout
Event: P2JO
Date Sampled: 12/22/10
Date Received: 12/22/10


Client ID: JF-PLSD-SW-Public
ARI ID: 10-31775 SC18E

Analyte	Date Batch	Method	Units	RL	Sample
pH	12/22/10 122210#1	EPA 150.1	std units	0.01	6.85
Alkalinity	12/22/10 122210#1	SM 2320	mg/L CaCO3	1.0	39.2
Carbonate	12/22/10	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	12/22/10	SM 2320	mg/L CaCO3	1.0	39.2
Hydroxide	12/22/10	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Conductivity	12/23/10 122310#1	EPA 120.1	umhos/cm	1.00	1,700
Salinity	12/23/10 122310#1	SM 2520.B	ppt	0.10	0.90
Chloride	12/23/10 122310#1	EPA 300.0	mg/L	20.0	519
Sulfate	12/23/10 122310#1	EPA 300.0	mg/L	20.0	64.9

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
SC18-Floyd/Snider



Matrix: Stormwater
Data Release Authorized: 
Reported: 03/02/11

Project: Jorgenson Forge PLO Cleanout
Event: P2JO
Date Sampled: 12/22/10
Date Received: 12/22/10

Client ID: JF-PLSD-SW-Public-D
ARI ID: 10-31776 SC18F

Analyte	Date Batch	Method	Units	RL	Sample
pH	12/22/10 122210#1	EPA 150.1	std units	0.01	6.74
Alkalinity	12/22/10 122210#1	SM 2320	mg/L CaCO3	1.0	38.8
Carbonate	12/22/10	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Bicarbonate	12/22/10	SM 2320	mg/L CaCO3	1.0	38.8
Hydroxide	12/22/10	SM 2320	mg/L CaCO3	1.0	< 1.0 U
Conductivity	12/23/10 122310#1	EPA 120.1	umhos/cm	1.00	1,750
Salinity	12/23/10 122310#1	SM 2520.B	ppt	0.10	0.90
Chloride	12/23/10 122310#1	EPA 300.0	mg/L	20.0	529
Sulfate	12/23/10 122310#1	EPA 300.0	mg/L	20.0	67.8

RL Analytical reporting limit
U Undetected at reported detection limit

LAB CONTROL RESULTS-CONVENTIONALS
SC18-Floyd/Snider



Matrix: Stormwater
Data Release Authorized:
Reported: 03/02/11

A handwritten signature in black ink, appearing to be 'JF' or similar, written over the 'Data Release Authorized' line.


Project: Jorgenson Forge PLO Cleanout
Event: P2JO
Date Sampled: NA
Date Received: NA

Analyte/Method	QC ID	Date	Units	LCS	Spike Added	Recovery
pH EPA 150.1	ICVL	12/22/10	std units	6.99	7.00	0.01
Salinity SM 2520.B	ICVL	12/23/10	ppt	43,400	47,600	91.2%

pH is evaluated as the Absolute Difference between the values rather than Percent Recovery.

STANDARD REFERENCE RESULTS-CONVENTIONALS
SC18-Floyd/Snider



Matrix: Stormwater
Data Release Authorized: 
Reported: 03/02/11

Project: Jorgenson Forge PLO Cleanout
Event: P2JO
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Method	Date	Units	SRM	True Value	Recovery
Alkalinity ERA #P114506	SM 2320	12/22/10	mg/L CaCO3	99.5	102	97.5%
Conductivity Ricca #3193	EPA 120.1	12/23/10	umhos/cm	984	1,000	98.4%
Chloride ERA #230109	EPA 300.0	12/23/10	mg/L	3.0	3.0	100.0%
Sulfate ERA #220109	EPA 300.0	12/23/10	mg/L	3.0	3.0	100.0%

REPLICATE RESULTS-CONVENTIONALS
SC18-Floyd/Snider



Matrix: Stormwater
Data Release Authorized:
Reported: 03/02/11

A handwritten signature, likely of the analyst or supervisor, written in dark ink.

Project: Jorgenson Forge PLO Cleanout
Event: P2JO
Date Sampled: 12/22/10
Date Received: 12/22/10

Analyte	Method	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: SC18A Client ID: JF-PLSD-SW-24A						
pH	EPA 150.1	12/22/10	std units	6.81	6.79	0.02
Alkalinity	SM 2320	12/22/10	mg/L CaCO3	37.8	37.5	0.8%
Carbonate	SM 2320	12/22/10	mg/L CaCO3	< 1.0	< 1.0	NA
Bicarbonate	SM 2320	12/22/10	mg/L CaCO3	37.8	37.5	0.8%
Hydroxide	SM 2320	12/22/10	mg/L CaCO3	< 1.0	< 1.0	NA
Chloride	EPA 300.0	12/23/10	mg/L	311	317	1.9%
Sulfate	EPA 300.0	12/23/10	mg/L	40.4	42.1	4.1%
ARI ID: SC18B Client ID: JF-PLSD-SW-24B						
Conductivity	EPA 120.1	12/23/10	umhos/cm	1,590	1,600	0.6%
Salinity	SM 2520.B	12/23/10	ppt	0.80	0.80	0.0%

pH is evaluated as the Absolute Difference between the values rather than
Relative Percent Difference